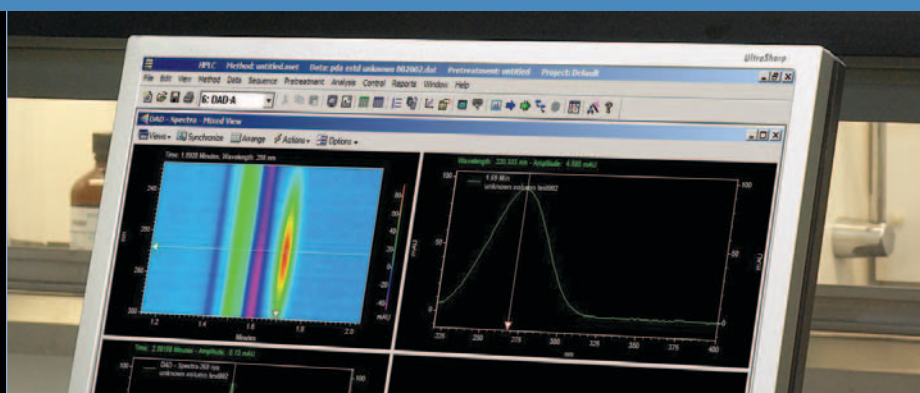


**ChromQuest™
Software**



Chromatography Data System for LC and GC

Flexibility and Power in a Single CDS

ChromQuest is a highly flexible and powerful Chromatography Data System (CDS) designed to efficiently manage the changing needs of your laboratory. ChromQuest's unique design enables flexible workstations to be deployed for both LC and GC techniques so that all of your chromatography can be under a single CDS. Integrated instrument control for Thermo Scientific LCs and GCs provides a complete data handling solution from data acquisition to final report generation. Whether your lab environment consists of stand-alone systems, or an enterprise with hundreds of networked instruments, ChromQuest provides you with the tools necessary to collect, process, review, and archive data within a safe, secure environment.

• Comprehensive CDS Features

Collect, analyze, and process all of your LC and GC data through ChromQuest for uniform and consistent data handling. ChromQuest provides a complete range of analysis capabilities whether you are performing chemical, petrochemical, pharmaceutical or environmental analysis.

• Data Integrity and Security

Advanced features provide comprehensive user security, audit trails, and electronic signatures to meet 21 CFR Part 11 compliance requirements.

• Instrument Control

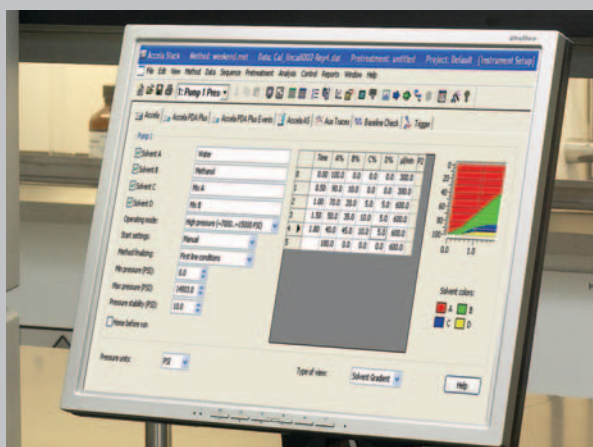
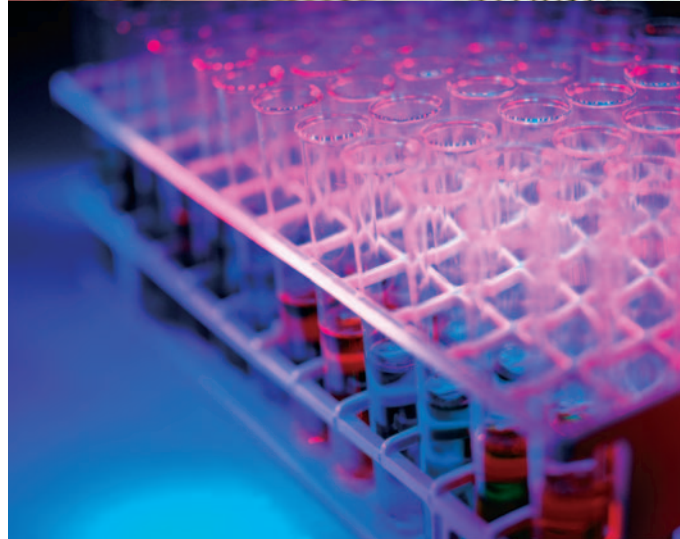
ChromQuest provides integrated instrument control for Thermo Scientific LCs and GCs ranging from the TRACE GC Ultra™ to the new Accela™ High Speed LC. It enables complete control of the chromatography pumps, ovens, detectors, and autosamplers through software and record all instrument settings with each run.

• Data Analysis

Flexible data acquisition platform handles a wide variety of standard and custom calculations.

• Custom Reporting

Wide range of reporting capabilities, including single and batch reporting, simplifies the analytical process.



ChromQuest's instrument control provides an easy and uniform way to control all LCs and GCs. Software controls extend to the instrument auto-sampler, detector, temperature controls, injection controls, and pump. The software display of the new Accela High Speed LC pump with its unique quaternary pump controls is shown.

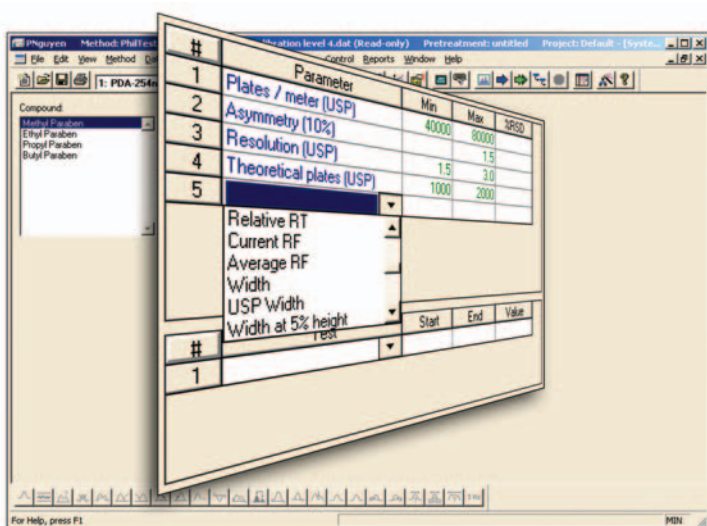
Automated Data Analysis with Time-saving Custom Reporting

The comprehensive data analysis capabilities of ChromQuest enable users to analyze and interpret a wide variety of calculations with ease. These results can be exported into a variety of reports or output formats, including Microsoft® Word, Microsoft Excel®, and LIMS.

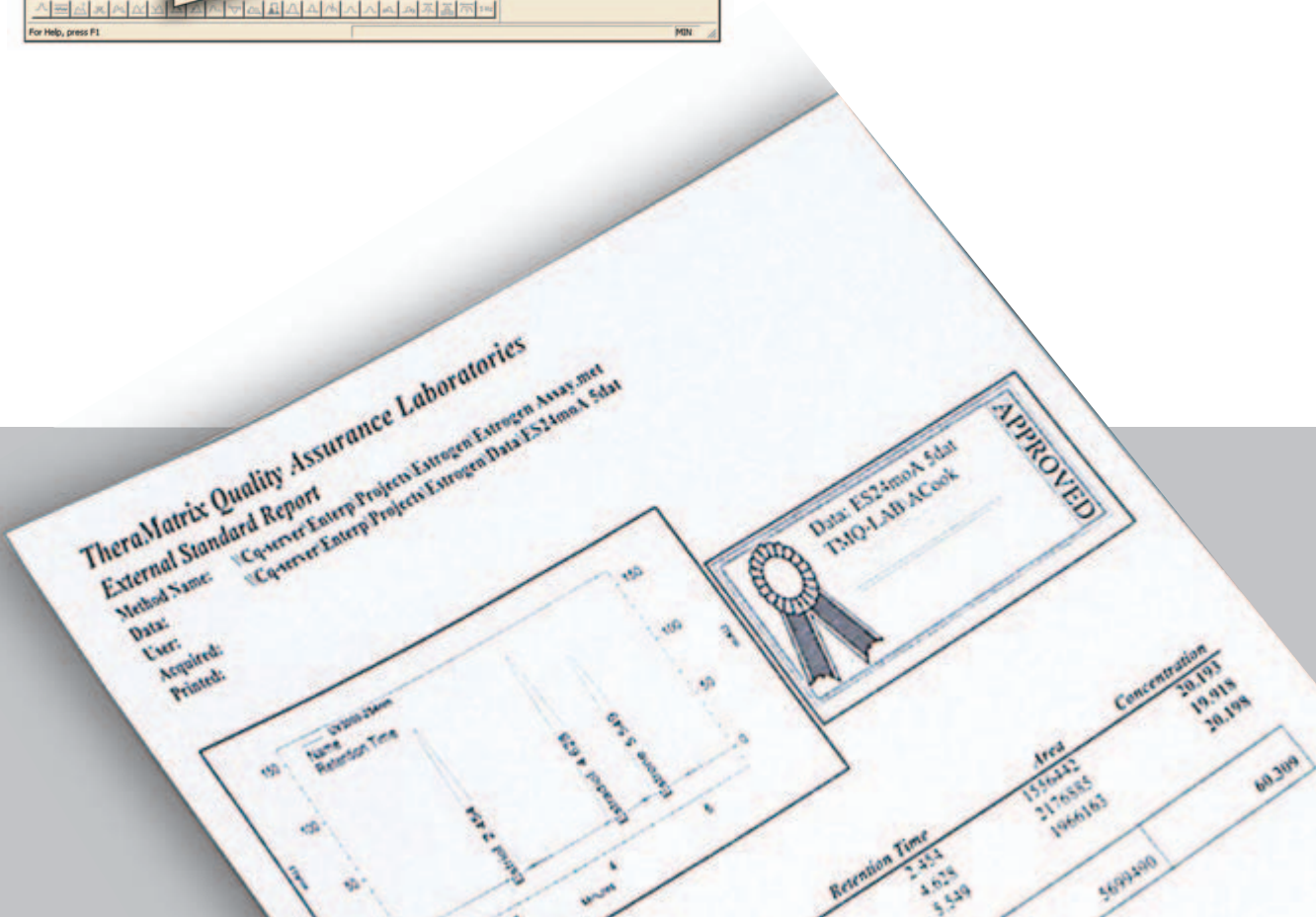
ChromQuest's graphic editing feature presents chromatographic data in a convenient view, enabling the user to reduce the amount of time needed to perform tedious and repetitious entries. Name peaks, set retention times, and specify method timed events quickly and easily.

Based on security privileges set by system administrators, users can re-process data, manually integrate baselines, and alter method parameters after the data has been generated. Options within the software allow "local" changes that affect a single chromatogram and "global" changes that apply to all the data processed by a specified method.

ChromQuest has the ability to generate a full range of reports, from standard templates provided with the software including Area %, Internal Standard, and Normalization reports, to user-created custom reports. The intuitive custom reporting features allow users to create and edit templates based on specific methods and parameters.



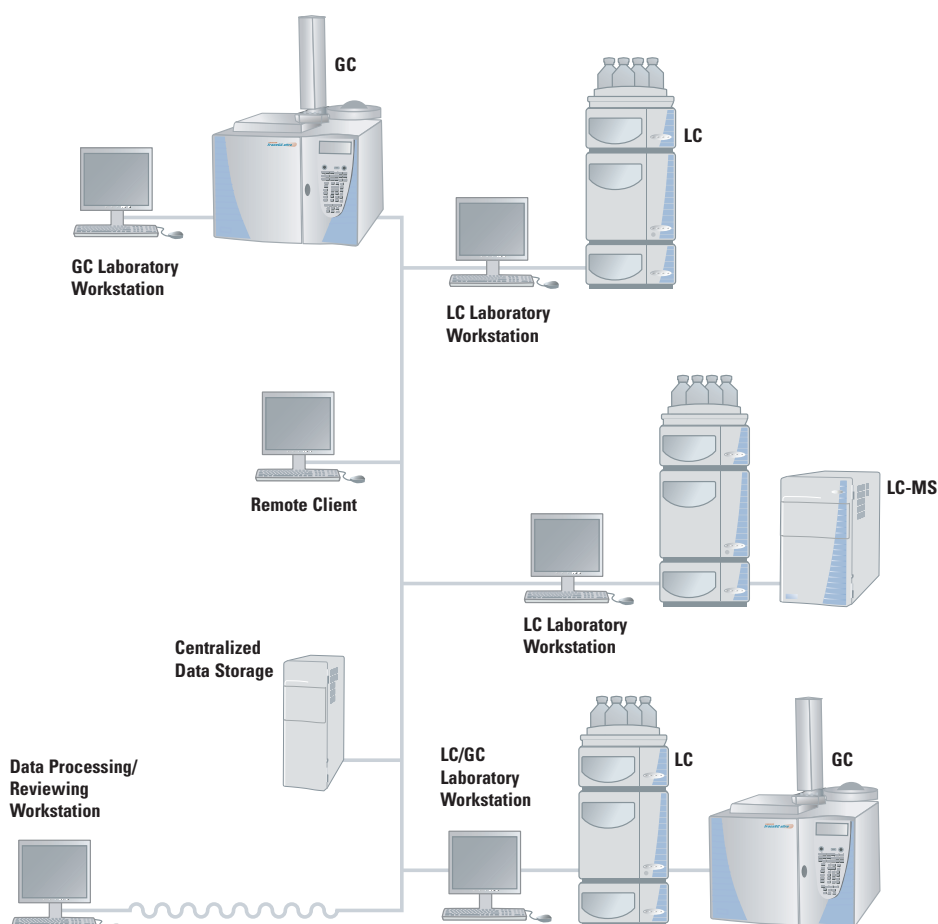
ChromQuest's unique report templates make it easy to report desired CDS parameters flexibly and quickly.



Flexible CDS for the Changing Lab Environment

The ChromQuest architecture provides the convenience of multiple workstations with the security of centralized data storage. All chromatographs on the network are easily controlled from their ChromQuest workstation. Users can create sequences, control instruments, and monitor acquisition from their ChromQuest workstation and review data, reprocess results, and export results to LIMS from reprocessing workstations. Data from each instrument can be accessed and shared safely and securely to increase overall lab efficiency.

The ChromQuest architecture readily expands from a single workstation to an enterprise-wide solution controlling thousands of instruments anywhere on the network. While designed for the large scale chromatography operation, ChromQuest provides the flexibility, power, and security for every installation—large or small.



ChromQuest offers a variety of predefined and customized report templates.

Security and Compliance

ChromQuest provides a comprehensive suite of access rights, permission levels, and electronic records to ensure complete traceability and security of data and instruments. Time saving functions such as remote electronic signoff simplify the data review process by allowing authorized

managers to approve results from their desktop. Complete audit trails record every event that happens to a stored data file or method, such as manual intervention, integration, and reprocessing. ChromQuest minimizes the need to remember multiple passwords by utilizing existing user lists and

passwords already defined in the Windows® 2000/XP domain server. From GLP/GMP to 21 CFR Part 11 compliance, this flexible data system provides integrated customizable security for your data, users, and instruments.

ChromQuest Computer System Recommendations:

Operating System: Windows XP Professional (SP2) Windows 2000 Professional (SP4) or Windows 2003 Server Internet Explorer 6.0 or later

CPU: Intel® Pentium (R) 4; 800 MHz or greater

RAM: 256 MB Minimum: 128 MB for first instrument; plus 32 MB per additional instrument; plus 64 MB per PDA detector

Network: None

Disk space: At least 10 GB free disk space, Min.: 80 MB disk space

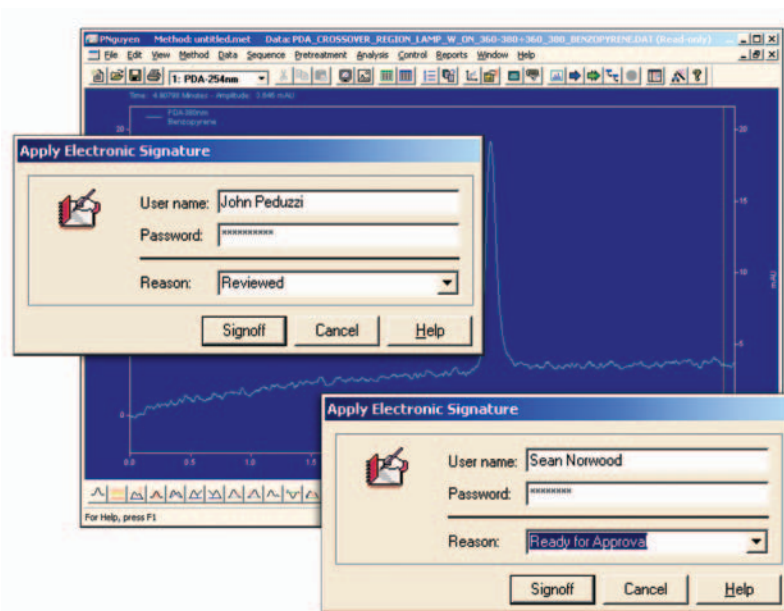
SpectraSYSTEM™ Connection: RS232 connection to SpectraSYSTEM SN4000 controller (to connect SpectraSystem pumps, autosamplers and 2D detectors); a separate RS232 connection is needed for the SpectraSYSTEM UV6000 PDA.

Surveyor Plus™ Connection: Ethernet LAN to Surveyor Ethernet switch

Accela Connection: Ethernet LAN and USB connections required.

TRACE GC Ultra Connection: RS232 connection to TRACE GC Ultra, or Ethernet LAN according to TRACE GC Ultra configuration. RS232 connection or Ethernet for TriPlus™ Autosampler. RS232 connection for AI/AS 3000 sampler.

FOCUS GC Connection: RS232 connection to FOCUS GC, or Ethernet LAN according to FOCUS GC configuration. RS232 connection or Ethernet for TriPlus Autosampler. RS232 connection for AI/AS 3000 sampler.



Electronic signoff simplifies the review process by allowing lab managers to approve results from their desktop.

Laboratory Solutions Backed by Worldwide Service and Support

Tap our expertise throughout the life of your instrument. Thermo Scientific Services extends its support throughout our worldwide network of highly trained and certified engineers who are experts in laboratory technologies and applications. Put our team of experts to work for you in a range of disciplines – from system installation, training and technical support, to complete asset management and regulatory compliance consulting. Improve your productivity and lower the cost of instrument ownership through our product support services. Maximize uptime while eliminating the uncontrollable cost of unplanned maintenance and repairs. When it's time to enhance your system, we also offer certified parts and a range of accessories and consumables suited to your application.

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